Index of Claims

| Appli | ication/ | Contro | I No. |
|-------|----------|--------|-------|
|-------|----------|--------|-------|

09/955,683

Examiner

Robert B. Harrell

Applicant(s)/Patent under Reexamination

O'CONNER ET AL.

Art Unit

2142

| 1 | Rejected |
|---|----------|
|   | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla  | aim      | m Date       |                 |         |          | Claim Date |          |                 |   |  |          | Cla                   | aim     | Date              |                 |          |                   |                                    |       |            |          |           |          |                 |          |          |          |          |          |
|--|----------|--------------|-----------------|---------|----------|------------|----------|-----------------|---|--|----------|-----------------------|---------|-------------------|-----------------|----------|-------------------|------------------------------------|-------|------------|----------|-----------|----------|-----------------|----------|----------|----------|----------|----------|
|  | <u>m</u> |              |                 |         |          |            | Ī        |                 |   |  | <u> </u> |                       |         |                   |                 |          |                   |                                    |       |            |          |           |          |                 |          |          |          |          |          |
| Final  | Original | 2/6/9        |                 |         |          |            | 1        |                 |   | Final  | Original |                       |         | i                 | Н               |          |                   |                                    | Final | Original   |          |           |          |                 |          |          |          |          |          |
| iE ,   | Ö        | 2/3          |                 |         |          |            |          |                 |   | ፲፰   | ō        |                       |         |                   |                 |          |                   | 1 1                                | ᄪ     | Ö          |          |           |          |                 |          |          |          |          |          |
| <u> </u>   |          | Ļ,           |                 | +       |          | +          | ╄        | 1               |   | LI   |          | $\vdash \vdash$       | +       | -                 | $\sqcup$        | -        | +                 | +                                  |       |            |          |           | Щ        |                 |          |          |          | $\dashv$ | _        |
| <u> </u>   | 1        | 7            |                 |         |          | +          | ╀        | +               |   |  | 51       | $\vdash$              | +       | +                 | $\vdash$        | +        | +                 | ╁┤                                 |       | 101        | _        |           |          | _               |          |          |          | $\dashv$ | ᅫ        |
|  | 2        | 7            |                 |         | +-       | ╁          | ╀        | ╂               |   |  | 52       |                       | +       | +                 | $\vdash$        | +        | +-                | $\dashv$                           | -     | 102        |          |           | Н        |                 | -        |          |          | $\dashv$ |          |
| -  | 3        | 7            |                 | +       | +        | ╁          | ┼        | +               | _ | $\vdash$   | 53<br>54 | ┝                     |         |                   | $\vdash$        | +        | +                 | +                                  |       | 103<br>104 |          |           | Н        | _               | _        |          | $\vdash$ | $\dashv$ | $\dashv$ |
| <u> </u>   | 5        | 1            |                 | +       | ╁        | ╁          | ╁        | +               |   | $\vdash$   | 55       | $\vdash$              | +       | +                 | $\vdash$        | +        | ┿                 | +                                  |       | 105        |          |           | Н        | -               |          |          |          | $\dashv$ |          |
| -  | 6        | 1            | +               | +       | ┿        | ┿          | +        | ╁╌┤             |   | $\vdash$   | 56       | $\vdash$              | +       | +                 | $\vdash$        | +        | +-                | +-                                 |       | 106        |          |           | H        |                 |          |          |          | $\dashv$ | 러        |
| -  | 7        | 1            | $\vdash$        | +       | +        | +          | H        | $\Box$          |   | $\vdash$   | 57       | $\vdash$              | ╅       | +                 | ┤┤              | $\dashv$ | +                 | +                                  |       | 107        | $\vdash$ | -         | Н        | $\dashv$        |          |          | $\vdash$ | $\dashv$ | $\dashv$ |
| <b></b>  | 8        | Ì            | $\vdash$        | +       | +        | +          | -        | +               |   | $\vdash$   | 58       | $\vdash$              | $\top$  | +                 | $\vdash$        | $\dashv$ | +                 | +                                  |       | 108        | Н        | -         | Н        | _               |          |          |          | 一        | $\dashv$ |
|  | 9        | 1            |                 | $\top$  | 1        | †          |          | П               |   |  | 59       |                       | +       | 1                 |                 | $\top$   | $\top$            | 1 1                                |       | 109        |          | _         | Н        | _               |          |          |          | 寸        | $\neg$   |
|  | 10       | <b>√</b>     |                 | ┪       | ╅        | 7          |          | Ħ               |   |  | 60       |                       | 1       | $\top$            | П               | 十        | $\top$            | $\top$                             |       | 110        |          |           |          |                 |          |          |          | 寸        | $\neg$   |
|  | 11       | 1            |                 |         | 1        | 1          |          | T               |   |  | 61       |                       | $\top$  |                   |                 |          | 1                 | $\top$                             |       | 111        |          |           |          |                 |          |          |          | ヿ        |          |
|  | 12       | 7            |                 |         | $\perp$  | $\perp$    |          |                 |   |  | 62       |                       |         | $\mathbb{I}^-$    |                 |          | I                 |                                    |       | 112        |          |           |          |                 |          |          |          |          |          |
|  | 13       | 7            |                 | Ι       | Τ        | I          |          |                 |   |  | 63       |                       | I       | Ι                 |                 |          |                   |                                    |       | 113        |          |           |          |                 |          |          |          |          |          |
|  | 14       | 4            |                 |         | $\perp$  | $\perp$    |          |                 |   |  | 64       | П                     |         | $oldsymbol{\bot}$ |                 |          | $oldsymbol{\Box}$ |                                    |       | 114        |          |           |          |                 |          |          |          |          |          |
|  | 15       | 1            |                 |         | $\perp$  | L          | L        | Ш               |   |  | 65       | $\Box$                |         |                   |                 | $\perp$  |                   | $oxed{oxed}$                       |       | 115        |          |           | Ш        |                 |          |          |          | $\Box$   |          |
|  | 16       | 1            | Щ.              | _       | <u> </u> | 1_         | <u> </u> | Ш               |   | $oxed{oxed}$                                     | 66       | $\sqcup \!\!\! \perp$ |         | _                 | Ш               | $\perp$  | $\perp$           | Щ                                  |       | 116        |          | Ш         | Ш        | $\Box$          |          | Ш        | Ш        | [        | $\Box$   |
| <u> </u>   | 17       | 1            | $\sqcup$        | $\bot$  | $\perp$  | $\bot$     | ↓_       | Ш               |   |  | 67       | $\sqcup$              | _ _     | ↓_                | Ц               | $\perp$  | $\bot$            | Ш                                  |       | 117        |          | Щ         | Ш        | Ш               |          | Ш        |          | ļ        |          |
|  | 18       | 7            | $\perp$         | 4       | -        | $\bot$     | _        | $\sqcup$        |   |  | 68       | <b>  </b> -           | 4       |                   | $\sqcup$        |          | 4                 | 11                                 |       | 118        |          |           |          |                 |          |          | Щ        | _        | _        |
|  | 19       | 1            |                 | +       | ╀        | ╀          | -        | $\vdash$        |   | $\vdash$   | 69       | $\vdash \vdash$       | +       | +-                | $\vdash$        | _        | +                 | 1                                  |       | 119        | _        |           |          |                 | _        |          |          | _        | _        |
| -  | 20       | 1            |                 | +       | +        | +          | ┾        | ╁               |   |  | 70       | $\vdash$              | +       | 4                 | $\vdash$        | +        | +                 | $\perp$                            |       | 120        | _        |           | _        | -               |          | _        |          | $\dashv$ | _        |
|  | 21<br>22 | 7            | -+              | +       | +        | ╁          | -        | $\vdash$        |   |  | 71       | $\vdash \vdash$       | +       | +                 | $\vdash$        | +        | +                 | +                                  |       | 121        | _        |           |          |                 |          |          |          | $\dashv$ | 괵        |
| $\vdash$   | 23       | 1            |                 | +       | ╁        | ╁          | -        | $\vdash$        |   |  | 72<br>73 | $\vdash$              | +       | +                 | $\vdash$        | +        | +                 | +                                  |       | 122<br>123 | $\dashv$ | _         | -        |                 |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 24       | $\frac{1}{}$ |                 | +       | ╁        | +          | +        | $\vdash$        |   |  | 74       | $\vdash$              | +       | +                 | $\vdash$        | +        | +                 | +                                  |       | 124        | $\dashv$ | -         | $\vdash$ | Н               |          |          | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 25       | 1            |                 | +       | ╁        | +          | +        | $\vdash$        | _ |  | 75       | $\vdash$              | +       | +                 | Н               | +        | +                 | +                                  |       | 125        | -        | _         | $\vdash$ |                 | $\vdash$ | _        | $\dashv$ | $\dashv$ | ᅱ        |
|  | 26       | H            |                 | +       | +-       | +          | -        | $\vdash$        |   |  | 76       | $\vdash$              | +       | +                 | H               | +        | +                 | +                                  |       | 126        | _        |           |          |                 |          |          | $\dashv$ | $\dashv$ | 一        |
|  | 27       |              | $\vdash$        | +       | +-       | +-         | $\vdash$ | $\Box$          |   |  | 77       |                       | $\top$  | $\top$            | $\vdash$        | +        | +                 | +-                                 |       | 127        |          |           |          |                 |          |          |          | _        |          |
|  | 28       |              | -               | +       | $\top$   | ╅          |          |                 |   |  | 78       |                       | $\top$  |                   | $\Box$          | +        | +-                | $\top$                             |       | 128        | $\neg$   |           | Н        |                 | _        |          | $\neg$   | $\dashv$ | Ħ        |
|  | 29       |              |                 |         | T        | 1          |          |                 |   |  | 79       |                       | 7       | 1                 | $\Box$          | 1        | 1                 | $\Box$                             |       | 129        |          |           |          |                 |          |          | $\Box$   | $\neg$   | ヿ        |
|  | 30       |              |                 | $\top$  | Τ        | T          |          |                 |   |  | 80       |                       |         |                   |                 |          | T                 | П                                  |       | 130        |          |           |          |                 |          |          | $\neg$   | $\neg$   |          |
|  | 31       |              |                 | $\top$  | 1        |            | П        |                 |   |  | 81       | П                     |         | T                 |                 |          | T                 |                                    |       | 131        |          |           |          |                 |          |          | $\Box$   | $\neg$   |          |
|  | 32       |              |                 |         | $\Box$   |            |          |                 |   |  | 82       |                       |         |                   |                 |          |                   |                                    |       | 132        |          |           |          |                 |          |          |          | 二        |          |
|  | 33       |              | $\Box$          | $\perp$ |          |            |          | $\square$       |   |  | 83       | $\Box \Box$           |         |                   |                 |          | $\perp$           | $\Box$                             |       | 133        |          |           |          |                 |          |          |          |          |          |
|  | 34_      |              |                 | $\bot$  | ╄        | _          | <u> </u> | $\sqcup$        |   |  | 84       | $\sqcup \!\!\! \perp$ | $\perp$ | 1                 | Щ               | $\perp$  | $\perp$           | $oldsymbol{\perp}oldsymbol{\perp}$ |       | 134        |          |           |          |                 |          | Ш        |          | $\Box$   |          |
|  | 35       |              |                 | $\perp$ | 4        | 1          | 1_       | $\sqcup$        |   |  | 85       | $\sqcup$              | $\perp$ | -                 | $\sqcup$        | $\bot$   | $\bot$            | $\sqcup$                           |       | 135        |          | Щ         |          |                 |          | Щ        | Щ        |          |          |
|  | 36       | _            | $\vdash \vdash$ | +       | +        | $\perp$    | $\vdash$ | $\sqcup$        | _ | $\vdash$   | 86       |                       | $\perp$ | 1                 | $\sqcup$        |          | 4                 | $\downarrow \downarrow \downarrow$ |       | 136        | _        | Ш.        |          |                 |          | Ш        |          | _        | 4        |
|  | 37       |              | $\vdash$        | +       | +        | -          | 1        | $\vdash$        |   | <del>                                     </del> | 87       | -                     | +       | +                 | $\vdash$        | -        | +-                | 4-4                                |       | 137        | _        | $\square$ |          | _               | _        | $\sqcup$ |          | 4        | _        |
| <u> </u>   | 38<br>39 | _            | $\vdash$        | +       | +        | +          | $\vdash$ | $\vdash \vdash$ |   | $\vdash$   | 88       | $\vdash \vdash$       | +       | +                 | $\vdash \vdash$ | +        | +                 | $\dashv$                           |       | 138        |          | $\vdash$  | $\vdash$ |                 |          | $\vdash$ | _        | $\dashv$ | 긕        |
| -  | 40       |              | $\vdash$        | +-      | +        | +          | $\vdash$ | $\vdash$        |   |  | 89<br>90 | <del>   </del>        | +       | +                 | $\vdash \vdash$ | +        | +                 | +                                  |       | 139<br>140 |          |           | $\vdash$ | $\dashv$        | _        | Ш        | $\dashv$ | $\dashv$ |          |
| -  | 41       |              | +               | +       | +        | +          | $\vdash$ | $\vdash$        |   |  | 91       | $\vdash \vdash$       | +       | +                 | $\vdash$        | +        | +                 | +                                  |       | 141        | $\dashv$ | $\dashv$  |          |                 |          | $\vdash$ | $\dashv$ | $\dashv$ |          |
| <del>                                     </del> | 42       |              | $\vdash$        | +       | +        | +          | $\vdash$ | $\vdash \vdash$ |   | $\vdash$   | 92       | $\vdash$              | +       | ╁                 | $\vdash$        | +-       | ╁                 | +                                  |       | 142        | $\dashv$ | Н         |          | -               |          | $\vdash$ | $\dashv$ | $\dashv$ | $\dashv$ |
|  | 43       |              | $\dashv$        | +       | +        | +          | T        | H               |   |  | 93       | $\vdash$              | +-      | +-                | $\vdash$        |          | +                 | +                                  |       | 143        | $\dashv$ | $\vdash$  |          | -               |          | -        | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$   | 44       |              | $\vdash$        | $\top$  | +        | +          | 1        | +               |   |  | 94       | $\vdash$              | +       | +                 | $\vdash$        | $\dashv$ | +                 | +                                  |       | 144        | $\dashv$ | $\dashv$  |          | $\dashv$        | -        | $\vdash$ | $\dashv$ | $\dashv$ |          |
|  | 45       |              |                 | $\top$  | †        | 1-         | $I^-$    | П               |   | $\vdash \vdash$                                  | 95       | <del>     </del>      | $\top$  | +-                |                 | $\dashv$ | +                 | $\forall$                          | -     | 145        | $\neg$   |           |          | $\neg$          |          |          | $\neg$   | $\dashv$ | ᅱ        |
|  | 46       | _            |                 | $\top$  | 1        | 1          | 1        | П               |   |  | 96       | $\vdash$              | $\top$  | T                 | H               | $\top$   | +                 | $\dagger \exists$                  |       | 146        | $\neg$   | $\neg$    |          | $\neg \uparrow$ | $\dashv$ | -        | $\dashv$ | 一        | ┪        |
|  | 47       |              |                 | $\top$  | 1        | 1          | Π        | $\sqcap$        |   |  | 97       |                       | $\top$  |                   | $\Box$          | $\top$   | T                 | 17                                 |       | 147        |          | $\Box$    |          |                 | ╗        |          | _        | 寸        | ᅥ        |
|  | 48       |              |                 |         | 1        | 1          |          |                 |   |  | 98       |                       | $\top$  |                   |                 |          |                   | T                                  |       | 148        |          |           |          |                 |          |          |          | ヿ        |          |
|  | 49       |              |                 | Ш       | Ι        |            |          |                 |   |  | 99       |                       |         |                   |                 |          | $\top$            | П                                  |       | 149        |          |           |          |                 |          |          |          | $\neg$   |          |
|  | 50       |              |                 |         |          |            |          |                 |   |  | 100      |                       |         |                   |                 | T        | T                 | $T^{T}$                            |       | 150        |          |           |          |                 | П        |          | $\neg$   | П        |          |